

IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) Transmitter for transmitting a first and second digital information signal via a transmission medium, said first digital information signal comprising first frames having at least a first synchronization signal and a data portion stored in them, the transmitter comprising:
 - input means for receiving the first and second digital information signal;
 - processing means for processing the second digital information signal into subsequent second frames, said second frames comprising blocks of information of the second digital information signal;
 - signal combination means for inserting a second ~~synchronisation~~ synchronization signal and at least the data portion of a first frame into a second frame of the second digital information signal so as to obtain a composite frame;
 - output means for supplying the composite frames to an output terminal so as to obtain a composite signal to be transmitted; characterized in that said signal combination means are adapted to strip the first synchronization signal from said first frames prior to inserting at least the data portion of the first frames into the second frames.
2. (original) Transmitter as claimed in claim 1, characterized in that the signal combination means are adapted to insert the data portion of a first frame into a second frame of the second digital information signal by using buried data techniques.

3. (previously presented) Transmitter as claimed in claim 1, characterized in that a second frame represents a portion of the second digital information signal of a predefined duration and a first frame represents a portion of a third digital information signal of a substantially the same duration.
4. (currently amended) Transmitter as claimed in claim 3, characterized in that the first digital information signal is obtained by data_compression of the third digital information signal.
5. (original) Transmitter as claimed in claim 4, characterized in that the first digital information signal is in the form of an MPEG encoded signal.
6. (currently amended) Transmitter as claimed in claim 4, ~~characterized~~ characterized in that the transmitter further comprises means for detecting the capacity available in a second frame to insert a first frame and generating a control signal for controlling the data_compression of the third digital information signal, said control signal being indicative for the capacity ~~available~~ available in said second frame.
7. (previously presented) Transmitter as claimed in claim 1, characterized in that the second digital information signal comprises at least one PCM signal.

8. (previously presented) Transmitter as claimed in claim 1, the transmitter being in the form of an apparatus for recording the digital information signal on a record carrier.

9. (previously presented) Transmitter as claimed in claim 1, characterized in that the transmitter further comprises channel-encoding means for channel encoding the transmission signal prior to transmission.

10. (original) Method of transmitting a first and second digital information signal via a transmission medium, said first digital information signal comprising first frames having at least a first synchronization signal and a data portion stored in them, the method comprising the steps:

- receiving the first and second digital information signal;
- processing the second digital information signal into subsequent second frames, said second frames comprising blocks of information of the second digital information signal;
- inserting a second synchronization signal and at least the data portion of a first frame into a second frame of the second digital information signal so as to obtain a composite frame;
- supplying the composite frames to an output terminal so as to obtain a composite signal to be transmitted;

characterized in that method further comprises the step stripping the first synchronization signal from said first frames prior to inserting at least the data portion of said first frames into the second frames.

11. (original) Method as claimed in claim 10, characterized in that the at least the data portion of a first frame is inserted

into a second frame of the second digital information signal by using buried data techniques.

12. (previously presented) Method as claimed in claim 10, characterized in that a second frame represents a portion of the second digital information signal of a predefined duration and a first frame represents a portion of a third digital information signal of a substantially the same duration.

13. (currently amended) Method as claimed in claim 12, characterized in that the first digital information signal is obtained by data_compression of the third digital information signal.

14. (original) Method as claimed in claim 13, characterized in that the first digital information signal is in the form of an MPEG encoded signal.

15. (currently amended) Transmission medium in the form of a record carrier carrying a composite signal comprising portions of a first and a second digital information signal, said composite signal being a sequence of composite frames, a composite frame comprises a second synchronization signal and a data portion of a first frame of the first digital information signal, said first frame comprises a first synchronization signal and a data portion, said composite frame being obtained by inserting the second synchronization ~~pattern~~ signal and at least the data portion of the first digital information signal into a second frame of the second digital information signal, a second frame being obtained by processing the second digital

information signal into subsequent second frames, said second frames comprising blocks of information of the second digital information signal, characterized in that prior to inserting at least the data portion of a first frame the first synchronization signal is stripped from said first frame.

16. (original) Transmission medium as claimed in claim 15, characterized in that at least the data portion of a first frame is inserted in a second frame by using buried data techniques.

17. (currently amended) Transmission medium as claimed in claim 15, characterized in that a second frame represents a portion of the second digital information signal of a ~~predined~~ predefined duration and a first frame represents a portion of a third digital information signal of substantially the same duration.

18. (original) Transmission medium as claimed in claim 17, characterized in that the first digital information signal is obtained by data compression of the third digital information signal.

19. (previously presented) Transmission medium as claimed in claim 15, wherein the record carrier is of the optical or magnetical recording type.

20-26 (canceled)

27. (new) Transmitter as claimed in claim 1, wherein:

the signal combination means are adapted to insert the data portion of a first frame into a second frame of the second digital information signal by using buried data techniques;

a second frame represents a portion of the second digital information signal of a predefined duration and a first frame represents a portion of a third digital information signal of a substantially the same duration;

the first digital information signal is obtained by data compression of the third digital information signal;

the first digital information signal is in the form of an MPEG encoded signal;

the transmitter further comprises means for detecting the capacity available in a second frame to insert a first frame and generating a control signal for controlling the data compression of the third digital information signal, said control signal being indicative for the capacity available in said second frame;

the second digital information signal comprises at least one PCM signal;

the transmitter being in the form of an apparatus for recording the digital information signal on a record carrier; and

the transmitter further comprises channel-encoding means for channel encoding the transmission signal prior to transmission.

28. (new) Method as claimed in claim 10, wherein:

the at least the data portion of a first frame is inserted into a second frame of the second digital information signal by using buried data techniques;

a second frame represents a portion of the second digital information signal of a predefined duration and a first frame represents a portion of a third digital information signal of a substantially the same duration;

the first digital information signal is obtained by data compression of the third digital information signal; and

the first digital information signal is in the form of an MPEG encoded signal.

29. (new) The transmission medium of claim 15, wherein:

at least the data portion of a first frame is inserted in a second frame by using buried data techniques;

a second frame represents a portion of the second digital information signal of a predefined duration and a first frame represents a portion of a third digital information signal of substantially the same duration;

the first digital information signal is obtained by data compression of the third digital information signal; and

the record carrier is of the optical or magnetical recording type.